EDUCATION DEPARTMENT.

Dated the 23rd of June 1897.

THE MYSORE VERNACULAR UPPER SECONDARY EXAMINATION.

1. The Mysore Vernacular Upper Secondary Examination will be held on Wednesday the 1st ecember 1897 and the following days at the Head-Quarters of each District and at Channapatna d Chikballapur.

2. The Mysore Vernacular Upper Secondary Examination will be open to—

(*a*) Headmasters and Assistant Masters employed in teaching the IV and V Vernacular classes of all Government, Municipal, Aided or other Recognised Schools,

(*b*) Pupils of Normal Schools,

(*c*) Pupils of Upper Secondary Vernacular or Sanskrit Schools,

(*d*) All other persons who will be regarded as private candidates, provided they have passed the Lower Secondary Examination. The President of the Board for the management of the Local Examinations will however exempt deserving candidates from the condition requiring them to have passed the Lower Secondary Examination, if they have been teachers in Government, Municipal, Aided or other Recognised Schools for a period of not less than three years.

3. Undergraduates of the Madras University will be allowed to appear for the Mysore Vernacular per Secondary Examination in the Language and Science subjects.

4. Applications for admission to the Mysore Vernacular Upper Secondary Examination shall be t so as to reach the Manager, Mysore Local Examinations, Bangalore, not later than the 31st of ust, on printed forms which may be obtained from the Local Examination Office at Bangalore.

5. No candidate shall be registered unless he has previously paid a fee of Rs. 5 if he be a teacher upil candidate or a fee of Rs. 7 if he be a private candidate.

6. Candidates for the Mysore Vernacular Upper Secondary Examination shall be examined in following subjects :—

I. FIRST LANGUAGE.—*Kannada or Hindustani.* There shall be three papers : one paper of e hours' duration on the prescribed text including explanation of selected passages and questions rammar, Idiom and Analysis ; one paper of two hours' duration on Advanced Grammar, Etymo- and Prosody as treated in Sabdamani Darpana, Nagavarma's Chandas and Essay I of Kannada nyasamanjari of R. Raghunatha Rao or Holroyd's Khavaide Urdu ; and one paper of one hour's ation on Composition.

II. SECOND LANGUAGE.—*Sanskrit or Persian.* In the second language there shall be two papers, of three hours' duration : one paper on the prescribed Text-books* and on the Grammar, Struc- and Idiom of the Language as treated in Bhandarkar's First Book and Second Book Lessons XXI or Manazar-ul-quwaid by Sell ; and one paper consisting of passages for translation from the skrit or Persian Text-books into Kannada or Hindustani respectively together with one unseen age, also of a passage in narrative style of moderate length and difficulty as well as sentences for slation from Kannada or Hindustani into Sanskrit or Persian respectively.

III. MATHEMATICS :—

(*a*) *Arithmetic.*—Pure and Recurring Decimals. Practical methods of shortening labor in Multiplication and Division. Practice, Simple and Compound Proportion, Simple and Compound Interest, Square and Cubic Measure. Extraction of Square and Cubic Root. Proportional Parts. Percentages and Averages. Profit and Loss. Present Worth and Discount. Compound Interest. Stocks. A paper of the duration of two hours and a half.

(*b*) *Algebra.*—The four simple rules, Identities and Substitutions, Resolution into Factors, G. C. M. and L. C. M, Involution, Evolution, Fractions, Simple Equations of one unknown quantity with easy problems. A paper of the duration of one hour and a half.

(*c*) *Euclid and Mensuration.*—Book I with easy deductions. Easy problems of mensuration of the standard prescribed for the Lower Secondary Examination. A paper of two hours' duration.

IV. SCIENCE :—

ture and Hygiene in Lower Secondary Schools. For Syllabus see Appendix. (4) general knowledge of the nature, composition and uses of common objects—anim vegetable and mineral—such as would be required for giving object lessons. A pa of two hours' duration.

(*b*) *Hygiene*—Indian Domestic Economy and Hygiene. A paper of two hours' duration.

(*c*) *Agriculture*—(For Syllabus see Appendix). A paper of two hours' duration.

Or,

Either Needle-work or Music. (For female candidates only)—Under Music it will suffic take up either (1) Vocal Music or (2) one kind of Instrumental Music, the instrum chosen being the Vina, the Violin or the Pianoforte. The Syllabuses of Needle-work Vocal Music and of the Pianoforte, the Viné and the Violin are given in the append

V. HISTORY AND GEOGRAPHY :—

(*a*) *History*—(1) Outlines of the History of India up to 1876 A.D. (2) Outlines of the His of England up to 1858 A.D. A paper of three hours' duration.

(*b*) *Geography*—(1) Geikie's Primer of Physical Geography. (2) General Geography and Geography of India in particular. (3) Mapdrawing—Map of some country or po of a continent on prepared projections without outlines. A paper of three h duration.

7. The Vernacular Upper Secondary Examination shall be conducted in the order of time subjects set forth in the following table, and the number of marks assignable to each subject sha as therein specified :—

Days.	Hours.	Subjects.	Mark
First day ..	10— 1	*First Language.*—Text-books	60
	2— 4	Do Advanced Grammar	40
	4·5— 5·5	Do Composition..	30
Second day ..	10— 1	*Second Language.*—Text-books and Grammar, Structure and Idiom	50
	2— 5	Translation	50
Third day ..	10—12	Euclid and Mensuration	40
	1— 3·30	Arithmetic	50
	3·35— 5·5	Algebra	30
Fourth day ..	10—12	Physical Science	40
	1— 3	Hygiene	40
	3·5— 5·5	Agriculture	40
Fifth day ..	10— 1	History	50
	2— 5	Geography	50
		Total ..	

The Examination in Needle-work and Music for Female Candidates will be held on the sixt at a place and hour to be previously notified.

8. Candidates failing to obtain,

(1) 35 per cent of the marks assigned to the First Language, and
(2) 30 per cent of the marks assigned to each of the other subjects,

shall not pass.

Those of the successful candidates that obtain not less than sixty per cent of the aggregate ber of marks shall be placed in the First Class, all others in the Second Class.

9. A certificate signed by the President of the Local Examination Board shall be given t passed candidate, setting forth the date of the Examination, the First and Second languages a other subjects in which the candidate was examined and the class in which he was placed.

APPENDIX.—SYLLABUSES.

I. AGRICULTURE.

(1) *Objects and conditions of Agriculture.*

(4) *Manuring.*—Treatment and application of farm manures. Green manuring. Use of special manures, *e. g.*, cakes, saltpetre, bones, lime, &c., commonly available in Southern India. Top dressing.

(5) *Irrigation.*—Economy, use, and application of water. Water—lifts in common use. Origin springs: well-sinking.

(6) *Crops.*—Rotations and mixed cropping. Fallowing. Seeds. Germination and conditions favorable for germination. Pedigree influence. Collecting seed. Change of seed. Seed-sowing, thick and thin sowing. Shallow and deep sowing. Testing seed. Dressing seed. Transplanting.

The principal cereal, pulse, industrial, and fodder crops, *viz* :—Ragi, paddy, cumboo, tennai, cholum, maize, red-gram, Bengal-gram, horse-gram, black-gram, green-gram, ground-nut, castorseed, gingelly, cotton, indigo, sugar-cane, tobacco, plantain.

Pasture land and its treatment. Storage of fodder.

(7) *Stock.*—Breeding, care and management of cattle and sheep. Breeds of Southern India Dairying.

Note.—The whole subject shall be treated from a practical point of view, chemistry being introduced as little as possible. If chemistry is required, it should be of an elementary character.

Elements of Physics and Chemistry (in Brief outline).

Three states of matter. Atoms. Properties of Solids, Liquids and Gases. The Forces of nature briefly defined and illustrated. Heat. Sources of Heat. Effects of Heat. Transmission of Heat. The Thermometer. Elements and Compounds. Chemical compounds and mechanical mixtures. Solution and suspension. How chemical combination takes place in definite proportions. The elements forming the constituents of soils and plants. Chief chemical compounds forming the constituents of soils, plants and manures. General characters of acids, alkalies and salts.

The most important elements.—Oxygen, hydrogen, nitrogen, carbon, chlorine, sulphur, phosphorus, silicon, iron, aluminium, calcium, magnesium, sodium, potassium.

Water.—Hydrogen, its preparation, properties, &c. Oxygen, its preparation, properties, &c.
Air.—Nitrogen, its preparation, properties, &c. Carbonic acid, its preparation, properties, &c.

Elements of Geology.

Rock defined. Sedimentary rocks. Organic rocks. Igneous rocks. Chemical composition of quartz, felspar group, Mica group, Hornblende and Augite groups, Zeolites. (The above to be demonstrated with samples).
The Geology of the Province of Mysore as given in the Gazetteer.

Elements of Botany (in brief outline).

Plant life. The root. The stem. The leaves. The flowers. Fertilization. The seed. The embryo. Germination. Nutrition of plants. Composition of plants.

II. Needle-work.

Plain Needle-work :—

Hemming.	Stitching.	Patching.
Felling.	Button holing.	Darning.

To cut out from a pattern and make a cotton jacket (Jubba) 15 inches long.
Gathering and putting into band, herring boning.
To cut out and make a boy's cotton coat 18 inches long.

Fancy Needle-work :—
Crochet.
Knitting.
Crewel work.
To crochet or knit a boy's comforter.
To crochet or knit a pair of baby's socks.
To knit a pair of boy's socks.
To embroider a boy's cap in crewel.

III. The Pianoforte.

Hamilton or Hemy's Pianoforte Instructor (complete).
Major, Minor and chromatic scales.
Ten short easy pieces from series like E. Rimbaults, "The young pupil," W. Small-wood's Home Treasures," James Bellak's "Dew Drops," &c.
Ten pieces of Dance Music (Duets and Solo) and ten easy accompaniments such as those of Eng-

IV. ಗಾನಕ್ಕೆ ತಿಳಿಯಬೇಕಾದ ಅಂಶಗಳು.

(1) ಸರಳೆ.

ರಾಗ.	ತಾಳ.	ಸರಿಗಮಪಧನಿಸ। ಸನಿಧಪಮಗರಿಸ.
ಮಾಯಾ ಮಾಳವ ಗೌಳ.	ಆದಿತಾಳ.	
		(2) ವರಿಸೆಗಳು.
ಡಿಟೋ	ಡಿಟೋ	ಸರಿಗಮ, ಸರಿಗಮ, ಸರಿಗಮ, ಪಧನಿಸ ।।
ಡಿಟೋ	ಡಿಟೋ	ಸರಿಗಮ, ಸರಿ, ಸರಿ, ಸರಿಗಮ, ಪಧನಿಸ ॥
ಡಿಟೋ	ಡಿಟೋ	ಸರಿಗ, ಸರಿಗ, ಸರಿ, ಸರಿಗಮ, ಪಧನಿಸ ।।
ಡಿಟೋ	ಡಿಟೋ	ಸರಿಗಮ, ಪಾ, ಸರಿ, ಸರಿಗಮ, ಪಧನಿಸ ।।
ಡಿಟೋ	ಡಿಟೋ	ಸರಿಗಮ, ಪಮಗರಿ, ಸರಿಗಮ, ಪಧನಿಸ ।।
ಡಿಟೋ	ಡಿಟೋ	ಸರಿಗಮ, ಪಮಧಪ, ಸರಿಗಮ, ಪಧನಿಸ ।।
ಡಿಟೋ	ಡಿಟೋ	ಸರಿಗಮ, ಪಮಧಪ, ಸನಿರಿಸ, ಸನಿಧಪ ।।
ಡಿಟೋ	ಡಿಟೋ	ಮಗರಿಗ, ಸರಿಗಮ, ಪಮಗಮ, ರಿಗಮಪ ।।
		(3) ಜಂಟಿ ವರಿಸೆಗಳು.
ಡಿಟೋ	ಡಿಟೋ	ಸಸ, ರಿರಿ, ಗಗ, ಮಮ, ಪಪ, ಧಧ, ನಿನಿ, ಸಸ ॥
ಡಿಟೋ	ಡಿಟೋ	ಸಸ, ರಿರಿ, ಗಗ, ಮಮ, ರಿರಿ, ಗಗ, ಮಮ, ಪಪ ॥
ಡಿಟೋ	ಡಿಟೋ	ಸಸ, ರಿರಿ, ಗಗ, ರಿರಿ, ಸಸ, ರಿರಿ, ಗಗ, ಮಮ ॥
ಡಿಟೋ	ಡಿಟೋ	ಸಾಸಸ, ರೀರಿರಿ, ಗಾಗಗ, ಮಾಮಮ, ಪಾಪಪ, ಧಾಧಧ, ನೀನಿನಿ, ಸಾಸ
ಡಿಟೋ	ಡಿಟೋ	ಸಾಸಸ, ರೀರಿರಿ, ಗಾಗಗ, ಮಾಮಮ, ರೀರಿರಿ, ಗಾಗಗ, ಮಾಮಮ, ಪಾಪ
ಡಿಟೋ	ಡಿಟೋ	ಸಾಸಸ, ರೀರಿರಿ, ಗಾಗಗ, ರೀರಿರಿ, ಸಾಸಸ, ರೀರಿರಿ, ಗಾಗಗ, ಮಾಮಮ ॥
ಡಿಟೋ	ಡಿಟೋ	ಸನರಿ, ಸನರಿ, ಸರಿ, ಸಸ, ರಿರಿ, ಗಗ, ಮಮ ।।
ಡಿಟೋ	ಡಿಟೋ	ಸನರಿ, ಸನರಿ, ಸರಿ, ಸಾಸಸ, ರೀರಿರಿ, ಗಾಗಗ, ಮಾಮಮ ॥
		(4) ಅಲಂಕಾರಗಳು.
ಡಿಟೋ	ಧ್ರುವತಾಳ	ಸರಿಗಮ, ಗರಿ, ಸರಿಗರಿ, ಸರಿಗಮ ।।
ಡಿಟೋ	ಮಠ್ಯತಾಳ	ಸರಿಗರಿ, ಸರಿ, ಸರಿಗಮ ॥
ಡಿಟೋ	ರೂಪಕತಾಳ	ಸರಿ, ಸರಿಗಮ ।।
ಡಿಟೋ	ಝಂಪತಾಳ	ಸರಿಗ, ಸರಿ, ಸರಿಗಮಾ ।।
ಡಿಟೋ	ತ್ರಿಪುಟತಾಳ	ಸರಿಗ, ಸರಿಗಮ ।।
ಡಿಟೋ	ಅಟತಾಳ	ಸರೀಗಾ, ಸಾರಿಗಾ, ಮಾ, ಪಾ ॥
ಡಿಟೋ	ಏಕತಾಳ	ಸರಿಗಮ, ರಿಗಮಪ ।।
		(5) ಗೀತಗಳು.
ಮಲಹರಿ ರಾಗ	ರೂಪಕತಾಳ	ಸರಮಾಗರಿ, ಸರಿಗರಿಸಾ
ನಾಟ	ಏಕತಾಳ	ಸನಸನಿ, ಪಸನಿಸ
ಮೋಹನ	ಡಿಟೋ	ಗಪಧಸ, ಧಧರಿಸ
ಕಾಂಭೋಜಿ	ಡಿಟೋ	ಸಾನಿಪ, ಧಧಸಾ
ಸುರಟಿ	ತ್ರಿಪುಟತಾಳ	ನಿಸರಿ, ಮಗರೀ, ರೀರಿಸ, ನಿಸಾ
ಕಲ್ಯಾಣಿ	ಡಿಟೋ	ಸಸ, ಸನಿ, ಧನಿಸನಿ, ಧಪ, ಧಪಮಪ
ಬೇಗಡೆ	ಡಿಟೋ	ಮಗಮ, ಪಾಧಪ, ನಿಧಪ, ಮಗಮಪ
ಆನಂದಭೈರವಿ	ಏಕತಾಳ	ನಿಧನಿಸ, ಸಾಸಸ, ಗರಿಸನಿ, ನಿಧಪಮ
ಶ್ರೀರಾಗ	ತ್ರಿಪುಟ	ಸನಿಸ, ರಿಮಮಪ, ಪಮುರಿ, ರಿಗರಿಸ
ಮಧ್ಯಮಾವತಿ	ಏಕತಾಳ	ಸಾನಿನಿ, ಪಾಮರಿ, ಪಪಮಾ, ರರಿಸಾ
		(6) ಸ್ವರಜತಿಗಳು.
ಕನ್ನಡ	ಆದಿತಾಳ	ಸಾ, ನೀಸಧಪಮ, ಗಾಮಧಾ
ಹಂಸಧ್ವನಿ	ರೂಪಕ	ಸಾ, ಸನಿಪ, ಗರಿಸಾ, ನಿಪನಿಸಾ
ಆರಭಿ	ಆದಿತಾಳ	ಸಾ, ಸನಿಧಧ, ಪಪಮಗ, ರರಿಸಾ
ಕಾಫಿ	ರೂಪಕ	ಪಾ, ಧನಿಪಮಾ, ಧಪಮರೀ, ಗಮರಿಸಾ

ರಾಗ.	ತಾಳ.	
		(7) ವರ್ಣಗಳು.
ಣಿ	ಆದಿತಾಳ	ವನಜಾಕ್ಷಿರೊ
ಗ	ಡಿಟೋ	ಇಂತ ಮೋಡಿಫಾಯ
ಗ	ಡಿಟೋ	ಸಾಮಿನಿನ್ನೆಕೋರಿ
ಾಭರಣ	ಡಿಟೋ	ಸಾಮಿನಿನ್ನೆಕೋರಿ
ಜು	ಡಿಟೋ	ಸರಸಮು ದೆಲುಪುರ
		(8) ಕೀರ್ತನೆಗಳು.
ಜು	ಆದಿತಾಳ	ಸಾರಸಸಮುಖ
ಜನಿ	ಡಿಟೋ	ಸ್ಮರಣೇಸುಖಂ
ಭೈರವಿ	ಚಾಪು	ಹಿಮಾಚಲತನಯ ಬ್ರೋ
ಯಣಿ	ಡಿಟೋ	ಮಹಿಷಾಸುರಮರ್ದಿನಿ ನಮಾಮಿ
ರಪ್ರಿಯ	ರೂಪಕ	ರಘುವೀರ ರಣಧೀರ
ಮೋ	ಡಿಟೋ	ಬಕಮಾಟ ಬಕಭಾಣಮು
	ಚಾಪು	ತ್ರಿಲೋಕಮಾತ ನನುಬ್ರೋವು
ಷಡ್ಜ	ರೂಪಕ	ಲಾವಣ್ಯರಾಮ ಕನುಲಾರಜಾಡರೆ
ಧ್ವನಿಜ	ಆದಿತಾಳ	ಆನಂದಸಾಗರ ಮಿಾದನಿ
ಜ	ರೂಪಕ	ರಾಮಚಂದ್ರೇಣ ಸಂರಕ್ಷಿತೋಹಂ
		ಕಾಯ್ಮೆ ಶ್ರೀಗೌರಿ (ಇಂಗ್ಲೀಷ್ ಮಟ್ಟು)
		(9) ಮಟ್ಟುಗಳು.
ಗು	ರೂಪಕ	ತ್ರಿಪುರಸುಂದರೀ, ತಾರಾಧೀಶನಿಭಾನನೆ
	ಆದಿತಾಳ	ಮಂಗಳಂ ಶಂಕರಿ ದೇಹಿಮೇ
ಜು	ರೂಪಕ	ಪಾಲಿಸು ಶ್ರೀಪ್ಯಾಲೇಯಪರ್ವತಬಾಲೆ
	ಆದಿತಾಳ	ಪರಿಪಾಹಿ ನಂದಗೋಪಬಾಲ
	ಡಿಟೋ	ಶ್ರೀಶಂಭೋ ಕಲ್ಯಾಣಮೂರ್ತೇ
	ರೂಪಕ	ಶಂಕರಿ ಮಾಂ ಪಾಲಯಾಶು
ಗು	ಡಿಟೋ	ಸುವ್ವಿಸುವ್ವಿಯನುಚುಬಾಡರೆ
ಪ್ರಿಯ	ಡಿಟೋ	ರಘುಕುಲನಾಯಕಾ ನತೇಪ್ಸಿತಾರ್ಥದಾಯಕ
ಟಿ	ಡಿಟೋ	ಇಂದಿರೇ ಮಾಮಕೀ ನ ಮಂದಿರೇನಿವಸಸದಾ
ಪ್ರಿಯ.	ಡಿಟೋ	ಕಂತುಕ ಖೇಲನಂ ಕಲಯ ಕಮಲ ಲೋಚನ

V. ವೀಣೆ, ಪಿಟೀಲು ಇವುಗಳ ವಾದನಕ್ಕೆ ತಿಳಿಯಬೇಕಾದ ಅಂಶಗಳು.

ಗಾನಕ್ಕೆ ಕೊಟ್ಟಿರುವ ಪಟ್ಟಿಯಂತೆಯೇ; ಆದರೆ (9) ನೇ ಪ್ರಕರಣದ ಕೆಳಗೆ ಕೊಟ್ಟಿರುವ ಮಟ್ಟುಗಳಿಗೆ ಬದಲಾಗಿ ಕೆಳಗೆ ಿವ 45 ತಾನಗಳನ್ನು ಬಾಜಿಸಬೇಕು.

ತಾನಗಳು (ರಾಗ)

	ಸಂಖ್ಯೆ.	
ಟ	10	
ಳ	5	
ಾಳಿ	5	
ಿಣಿ	5	
ರಾಗ	5	
ಾಯಣಗೌಳ	5	
ಗೌಳ	5	
ದಾರ	5	